

EP1081774

Publication Title:

Process for fabricating polarized organic photonics devices

Abstract:

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A polarized organic photonics device, including an LED or photovoltaic device, is comprised of a first conductive layer or electrode coated with a friction transferred alignment material, a photoactive material, and a second electrically conductive layer or electrode. The alignment material provides for the orientation of the subsequently deposited photoactive material such that the photoactive material interacts with or emits light preferentially along a selected polarization axis. Additional layers and sublayers optimize and tune the optical and electronic responses of the device.

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